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and only recognized on receiving other specimens with the lower leaves, which are very distinct. *Cardamine Clematitis*, Shuttleworth, was collected by Dr. Gray and party on Roan Mt., during the southern trip of last summer. It was collected before by Rugel in 1844. Dr. Gray had confounded a specimen of it with *C. rotundifolia*, this being the only authority for attributing sometimes to that species trisected leaves, as is done in the Manual for the Northern States. Two new *Astragali* are described, both discovered in Oregon by Jos. Howell. *Elephantopus nudatus* is added to our flora, being found in Delaware. It is the *E. scaber* of Torr. and Gray's Flora. The *Leptoclinium* section of the genus *Liatris* is raised to generic rank. Dr. Garber adds a new *Liatris* from Florida, which bears his name. A new *Rhododendron* from North Carolina bears the name of *R. Vaseyi*. In regard to its relations Dr. Gray says: "The American *Azaleas* previously known consist of one aberrant species, *R. Rhodora*, and of a well-marked group (to which *R. Ponticum* also belongs) characterized by a long-tubed funnel-formed corolla and long exserted stamens and style. But the East Asiatic species of the same true *Azalea* subgenus have campanulate or rotate-campanulate corollas, and some of them very deciduous *perulæ* to the separate flower-buds. This most interesting new species is one of that group, and it thus adds another to the now very numerous cases of remarkable relationship between the Chino-Japanese and the Alleghanian floras."—J. M. C.

GREVILLEA FOR SEPTEMBER.—New British Fungi by M. C. Cooke. New Jersey Fungi by M. C. Cooke and J. B. Ellis. A notice of Dr. J. T. Rothrock's final report on the Botany of the Wheeler survey. On *Peniophora* (with plates), a new genus of Hymenocetous Fungi, by M. C. Cooke. Experiment on the Calorific Properties of Lichens by W. Lander Lindsay. New British Lichens by Rev. J. M. Crombie. A notice of a series of microscopical mountings of Lichens by Mr. W. Joshua. The Lichen Flora of Great Britain by Rev. W. A. Leighton, a new edition, the 3rd, just issued. New Fungi of the Jura by Dr. L. Quelet.—A. P. M.

DISTINCTION BETWEEN *CAREX INTUMESCENS* AND *C. GRAYI*.—Mr. W. B. Hemsley, in the Journal of Botany, states that he has discovered a very good distinctive character between *Carex intumescens*, Rudge, and *C. Grayi*, Carey, which is not mentioned in the definition of the species in either "Gray's Manual" or "Boott's Illustrations." This differential character is in the achenes; "those of *C. Grayi* being